

## **RESEARCH PRIORITIES 2024**

### **VITICULTURE**

- Spotted lantern fly
- Winter Injury and Mitigation Technologies
- Identification and mitigation for Leafroll and Red Blotch
  - Cover crop management (for beneficial/vector management)
- MALB (Replacements for Synthetic Pyrethroids)
- Quality Improvement (Canopy Management, Powdery Mildew, Black Rot, Fruit Fly, Brown Marmorated Stink Bug, botrytis, downy mildew, earwig management, etc)
- Spotted Wing Drosophila (SWD), Sour Rot
- Vitis Certification (Local Vine Propagation/Supply)
- Spray Programs Strategies (Rotation, Feedback Mechanism)
  - Alternatives to delisted sprays
- Short- and Long-Term Effects of Viruses on Plant Performance
- Clonal and Sub-Clonal Stability (Assessing Trueness to Type)
- New adaptative grapevine varieties
- Extreme weather events recovery and strategy

### **OENOLOGY**

- Clonal Sensory Evaluation
- Post-frost picking strategy and must handling in the winery
- Crop Level vs. Quality in light of climate change and weather patterns (i.e. Color, Tannin Development)
- Sparkling Wine, Icewine, Late Harvest
- Operations of Winery (i.e. Filtration, Yeast, Nutrients)
- Site Selection (Terroir)
- How to remove/mitigate botrytis taint
- How to determine optimal picking times
- How to make dealcoholized (or low alcohol content) wine economically in Ontario

### **MARKET RESEARCH**

- Sensory and Consumer Science
- Sparkling Wine Profiles
- Export/Market Development
- Forecast of “Winning” Varieties and Style of Wine
- Promoting local